

L305 ANSWER 98 OF 145 USPATFULL

AN 1999:85363 USPATFULL

TI Laundry pretreatment with peroxide bleaches containing **chelators**
for iron, copper or manganese for reduced fabric damage

IN Del Duca, Valerio, Massa Lubrense, Italy
Park, John Scott, Tyne & Wear, United Kingdom
Rapisarda, Dario, Rome, Italy

Stoddart, Barry, Tyne & Wear, United Kingdom

Trani, Marina, Rome, Italy

Yousaf, Taher Iqbal, Egham, United Kingdom

PA Procter & Gamble Company, Cincinnati, OH, United States (U.S.
corporation)

PI US 5929012 19990727

WO 9626999 19960906

AI US 1998-894830 19980123 (8)

WO 1996-US2219 19960220

19980123 PCT 371 date

19980123 PCT 102(e) date

PRAI EP 1995-870018 19950228

DT Utility

FS Granted

EXNAM Primary Examiner: Fries, Kery

LREP Cook, C. Brant, Zerby, Kim W., Rasser, Jacobus C.

CLMN Number of Claims: 21

ECL Exemplary Claim: 1,2

DRWN No Drawings

LN.CNT 976

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A process for pretreating soiled fabrics prior to washing with a liquid
composition comprising a peroxygen bleach, a nonionic surfactant, an
anionic surfactant and a compound chelating copper and/or iron and/or
manganese is provided. The liquid composition used in such process is
also provided.

L305 ANSWER 144 OF 145 WPIDS (C) 2003 THOMSON DERWENT
 AN 1985-100580 [17] WPIDS
 DNC C1985-043457
 TI 1-Hydroxy pyrid-2-one derivs. - used for removal of excess body iron or treatment of anaemia.
 DC B03 C02
 IN HIDER, R C; KONTOGHLOR, G; SILVER, J; STOCKHAM, M A; KONTOGHIORGES, G
 PA (NATR) NAT RES DEV CORP; (BRTE-N) BRITISH TECHNOLOGY GROUP LTD
 CYC 13
 PI EP 138420 A 19850424 (198517)* EN 44p
 R: BE CH DE FR GB IT LI NL SE
 GB 2146990 A 19850501 (198518)
 JP 60094966 A 19850528 (198527)
 DK 8404535 A 19850324 (198528)
 US 4587240 A 19860506 (198621)
 ZA 8407409 A 19860320 (198626)
 GB 2146990 B 19870520 (198720)
 EP 138420 B 19891129 (198948) EN
 R: BE CH DE FR GB IT LI NL SE
 DE 3480599 G 19900104 (199003)
 US 34313 E 19930713 (199329) 19p
 JP 05066385 B 19930921 (199340) 18p
 JP 05246992 A 19930924 (199343) 12p
 JP 08011729 B2 19960207 (199610) 12p
 ADT EP 138420 A EP 1984-306437 19840920; GB 2146990 A GB 1983-23800 19830920;
 JP 60094966 A JP 1984-201407 19840925; US 4587240 A US 1984-651772
 19840918; ZA 8407409 A ZA 1984-7409 19840920; GB 2146990 B GB 1984-23800
 19840920; US 34313 E US 1984-651772 19840918, Cont of US 1988-253579
 19881005, US 1991-769492 19911001; JP 05066385 B JP 1984-201407 19840925;
 JP 05246992 A Div ex JP 1984-201407 19840925, JP 1992-248272 19840925; JP
 08011729 B2 Div ex JP 1984-201407 19840925, JP 1992-248272 19840925
 FDT US 34313 E Reissue of US 4587240; JP 05066385 B Based on JP 60094966; JP
 08011729 B2 Based on JP 05246992
 PRAI GB 1983-25496 19830923; GB 1984-23800 19840920
 AB EP 138420 A UPAB: 19930925
 1-Hydroxypyrid-2-one and their salts (I) are new in which one or more of
 the C attached H atoms are replaced by the gps.: aliphatic acyl, aliphatic
 amide, aliphatic amino, carboxy, CN, aliphatic ester, halo, OH, sulpho,
 alkoxy and alkoxy substd. by alkoxy, aliphatic amide, aliphatic amine,
 aliphatic ester, halo or OH groups. Excluded are cpds. in which the only
 substituents are aliphatic hydrocarbyl, halo and halo aliphatic
 hydrocarbyl and those with an acetamido, amino, butoxy, carbamyl, carboxy,
 CN, ethoxy, ethoxycarbonyl, methoxy or propoxy at the 4 position.
 Compounds used for removal of excess body iron are (I) but without
 the restriction of the specific substituents at position 4. Iron
 complexes of such cpds. are also used for treating iron deficiency
 in animals. Prepn. comprises e.g. standard substitution reactions on
 1-hydroxypyrid- 2-ones or 2-hydroxypyridine-1-oxides.
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